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FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

/ OF 45

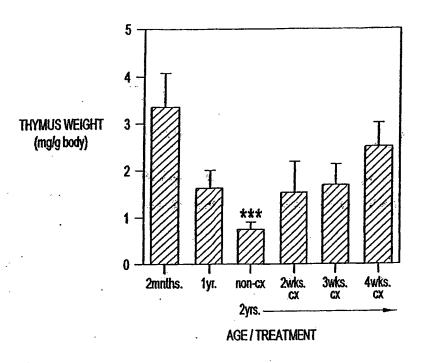


Figure 1A

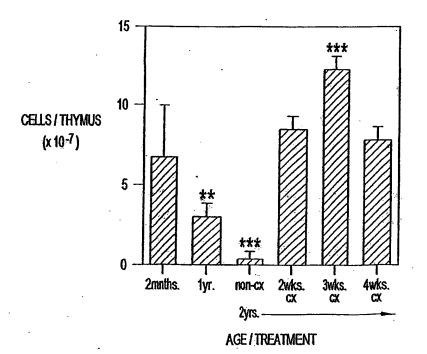


Figure 1B

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 2 OF 45

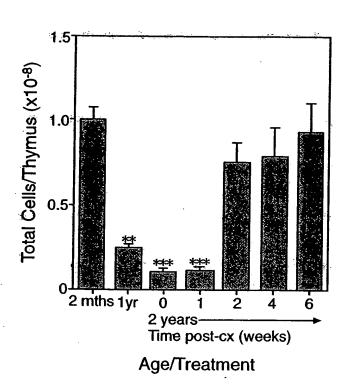


FIGURE 1 c

FILING DATE: December 30, 2003 TITLE:

Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

DOCKET NO.: NOR-013CP2/286336.152

3 OF 45

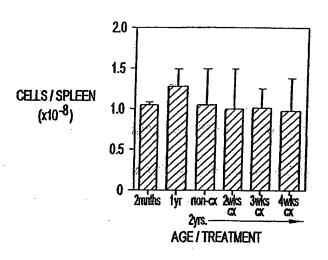


Figure 2A

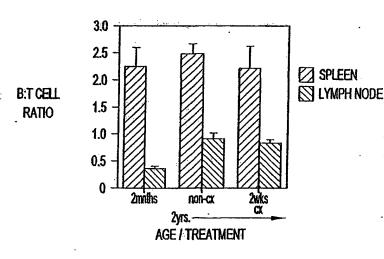
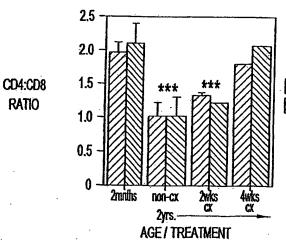


Figure 2c



SPLEEN
S LYMPH NODE

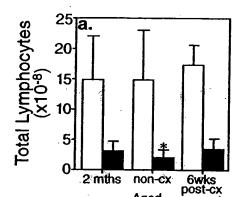
Figure 2E

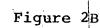
FILING DATE: December 30, 2003

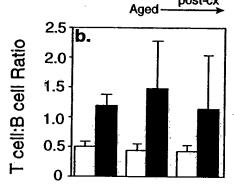
TITLE: Improvement of Graft Acceptance Through

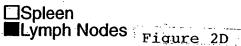
Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

4 OF 45









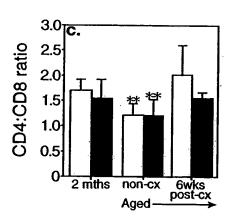


Figure 2F

Age/Treatment

FILING DATE: December 30, 2003

improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

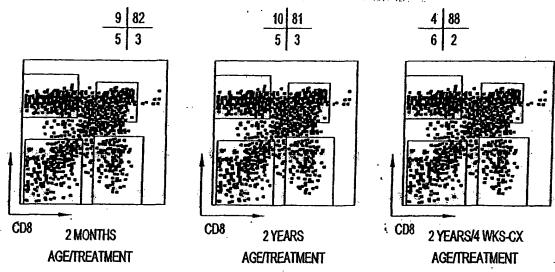
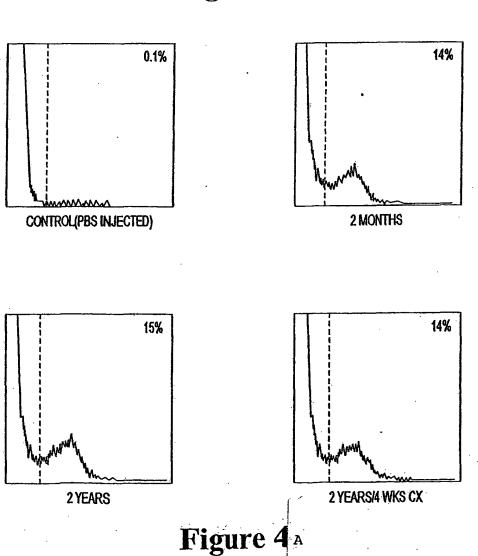


Figure 3



FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

6 OF 45



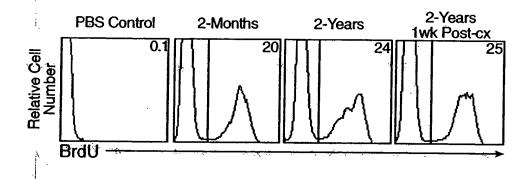
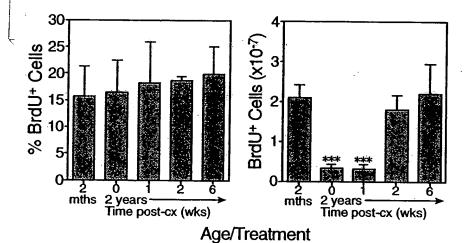
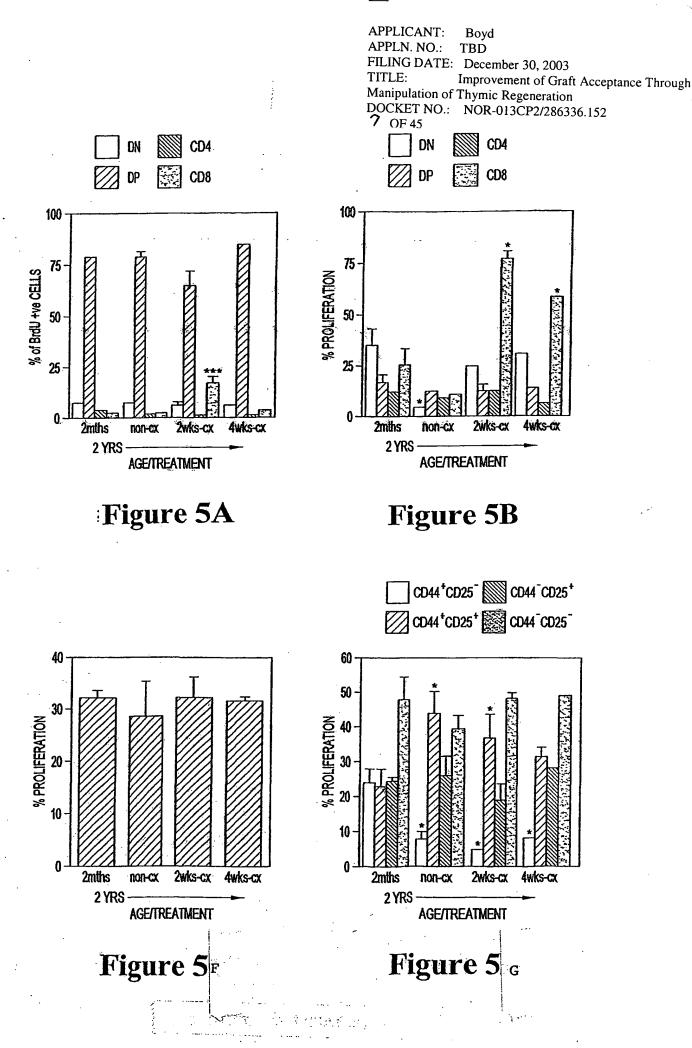


Figure 4C



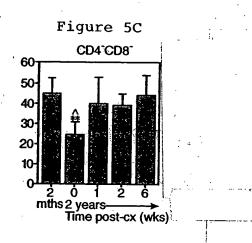


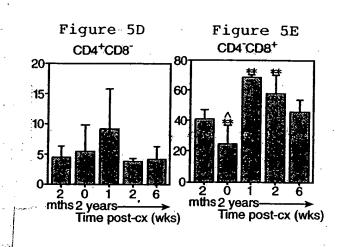
FILING DATE: December 30, 2003

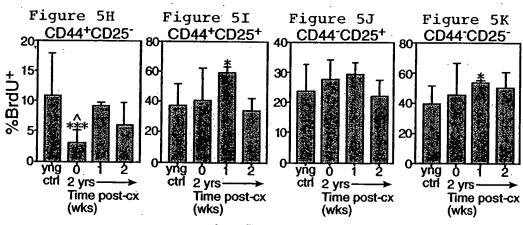
TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

P OF 45





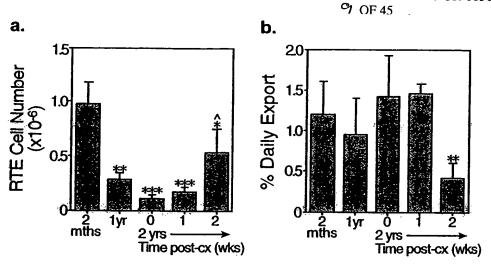


Age/Treatment

FILING DATE: December 30, 2003 TITLE: Improvement of Graf

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152



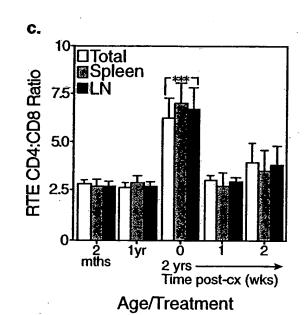


FIGURE 6.

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

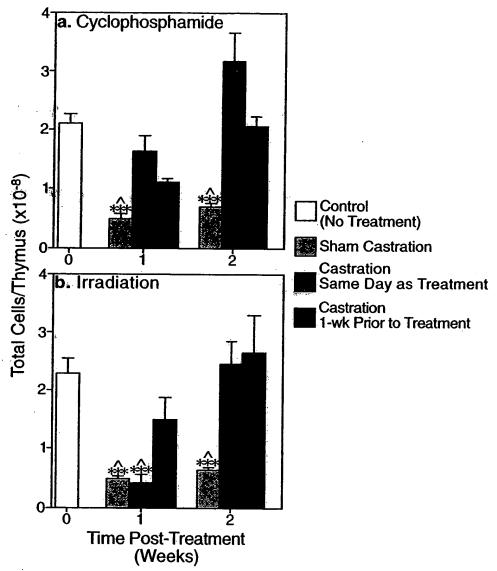


FIGURE 7.

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

. 11. OF 45

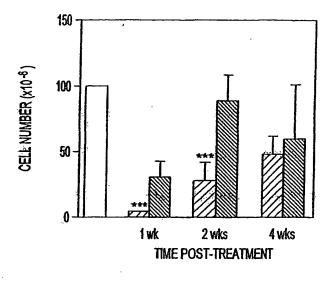
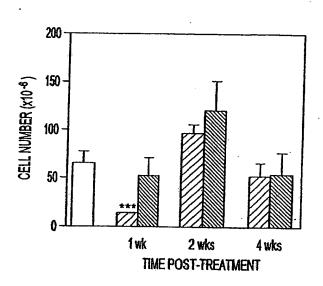


Figure 8A



CONTROL

CYCLOPHOSPHAMIDE ALONE

CYCLOPHOSPHAMIDE AND CASTRATION (SAME DAY)

Figure 8B

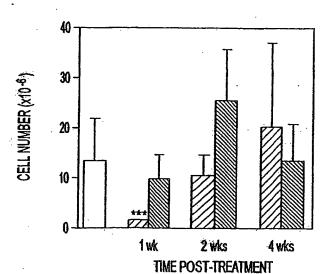
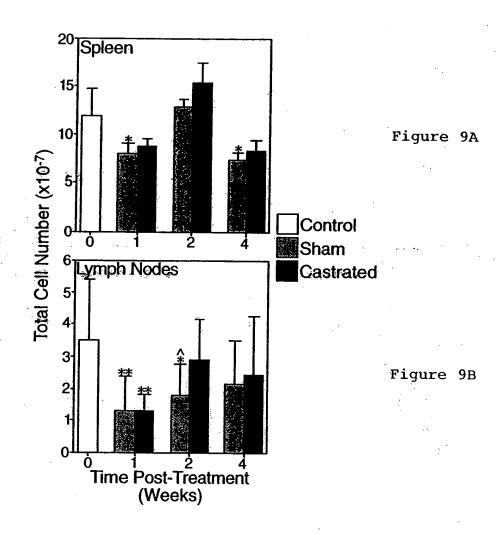


Figure 8c

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration
DOCKET NO.: NOR-013CP2/286336.152



FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration
DOCKET NO.: NOR-013CP2/286336.152
13 OF 45

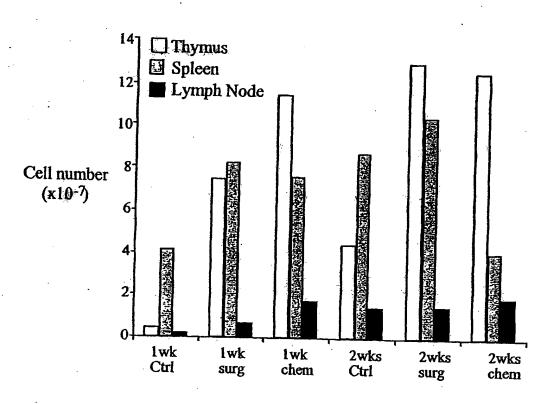
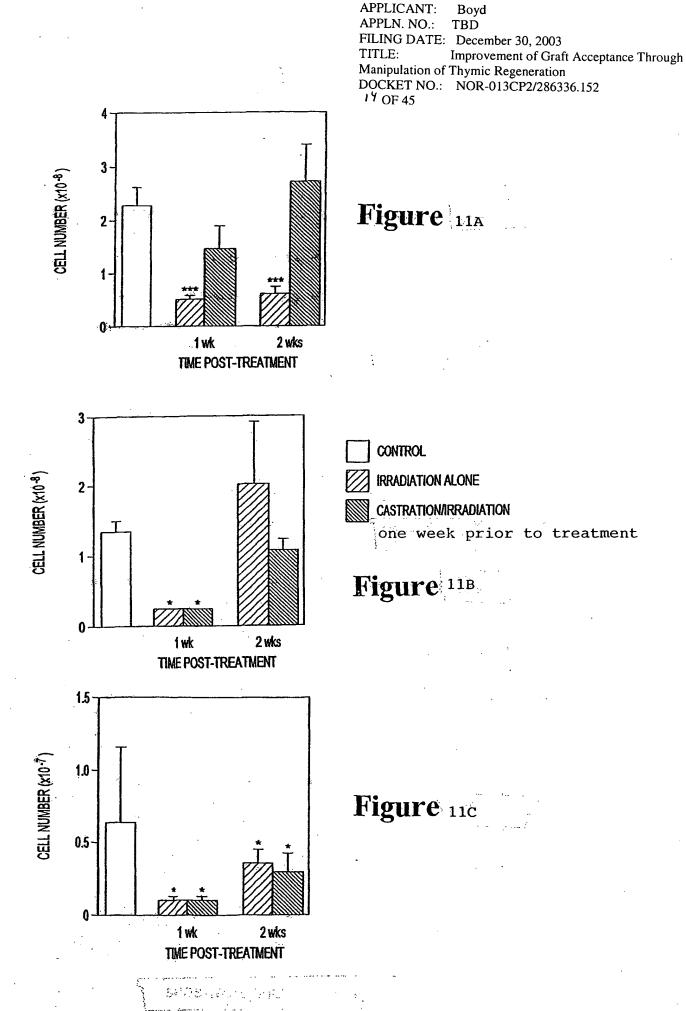
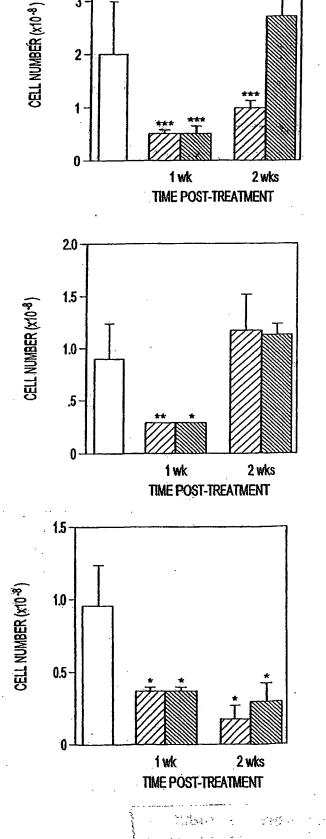


Figure 10





3.

APPLICANT: Boyd **TBD** APPLN. NO.:

FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

DOCKET NO.: NOR-013CP2/286336.152

15 OF 45

Figure 12A

CONTROL IRRADIATION ALONE CASTRATION/IRRADIATION (SAME DAY)

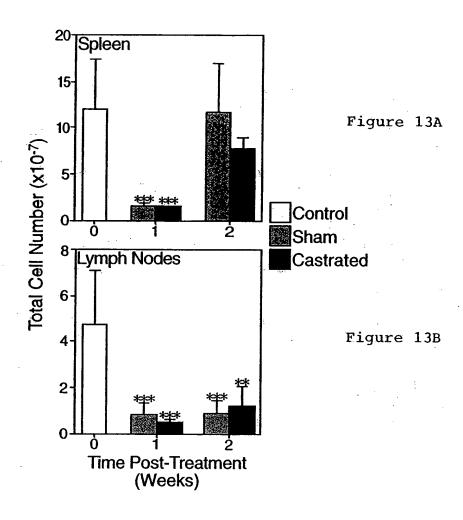
Figure 12B

Figure 12c

FILING DATE: December 30, 2003

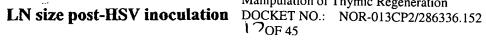
TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152



FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Manipulation of Thymic Regeneration



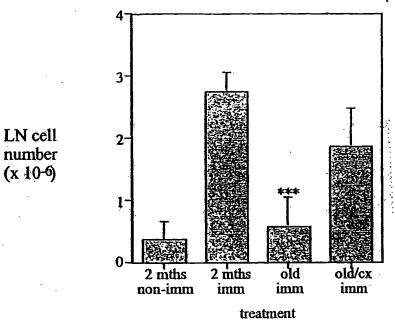


Fig. 14A

Activated cell numbers

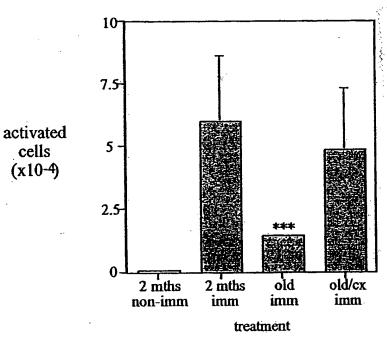


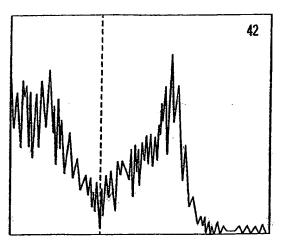
Fig. 14B

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through
Manipulation of Thymic Regeneration

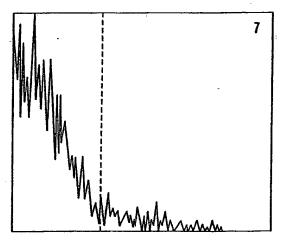
Manipulation of Thymic Regeneration
DOCKET NO.: NOR-013CP2/286336.152

18 OF 45



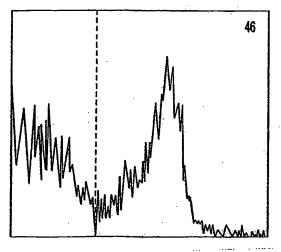
2 MONTHS

Figure 15A



18 MONTHS

Figure 15B



18 MONTHS CASTRATED

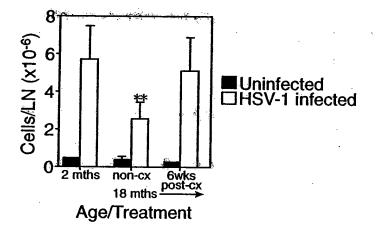
Figure 15c

APPLICANT: Boyd

APPLN. NO.: TBD FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration
DOCKET NO.: NOR-013CP2/286336.152
19 OF 45



FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

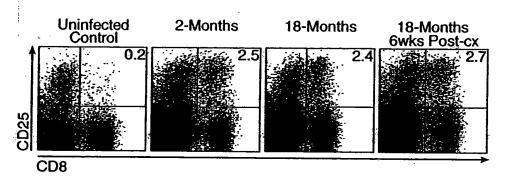


Figure 17A

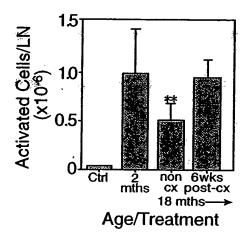


Figure 17B

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

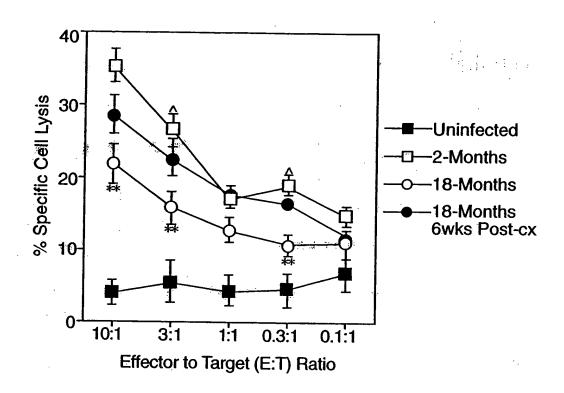
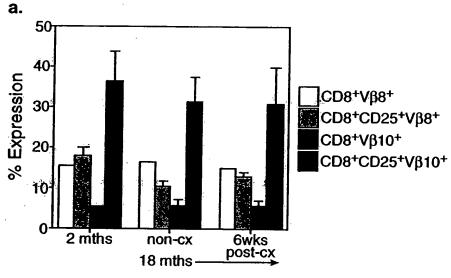


FIGURE 18

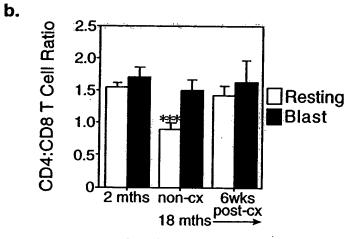
FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152



Age/Treatment



Age/Treatment

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

23 OF 45

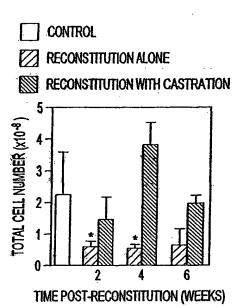


Figure 20A

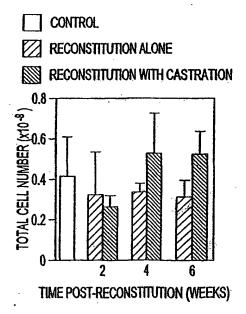


Figure 200

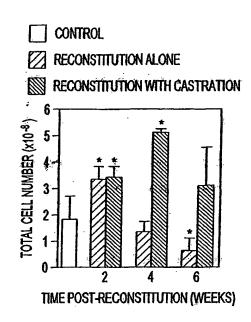


Figure 20B

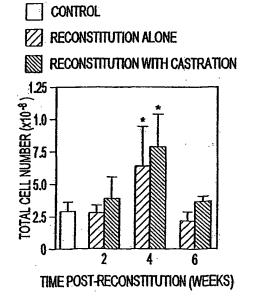
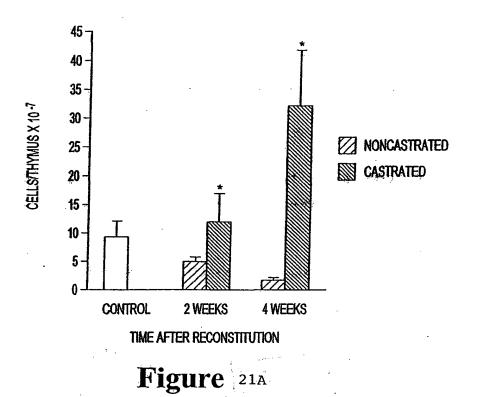


Figure 20D

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152



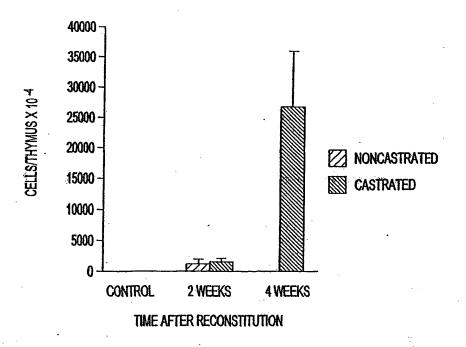


Figure 21B

APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration
DOCKET NO.: NOR-013CP2/286336.152
25 OF 45

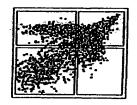
AGE MATCHED



NON-CASTRATED

CASTRATED -

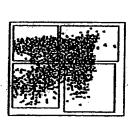
2 WEEKS POST RECONSTITUTION



중



4 WEEKS POST RECONSTITUTION



CD8

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

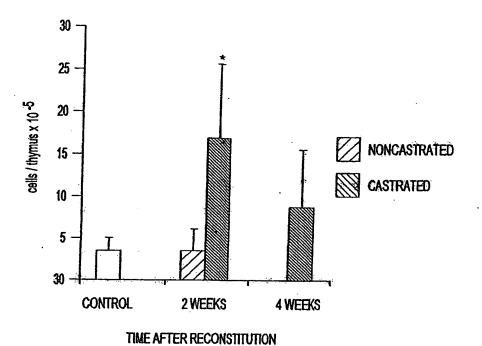
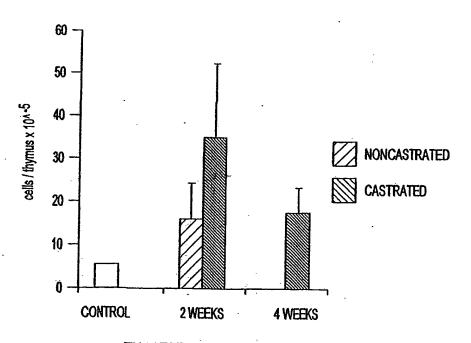


Figure 23A



TIME AFTER RECONSTITUTION

Figure 23B

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

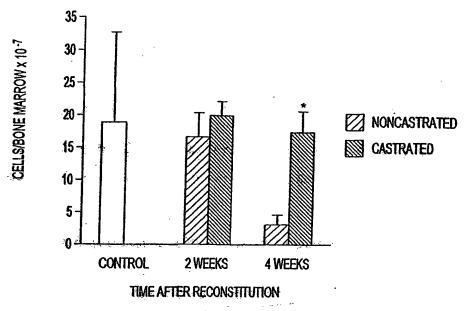


Figure 24A

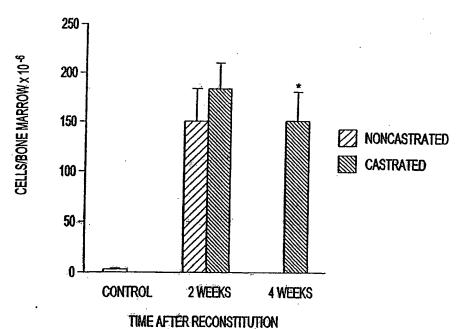


Figure 24B

FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 28 OF 45

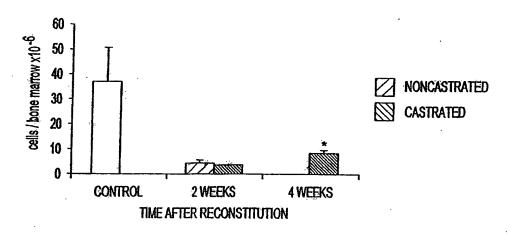


Figure 25A

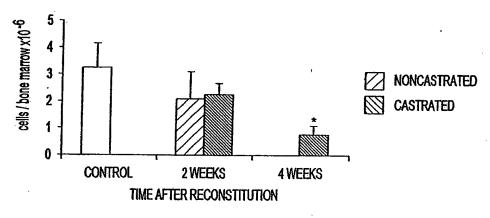
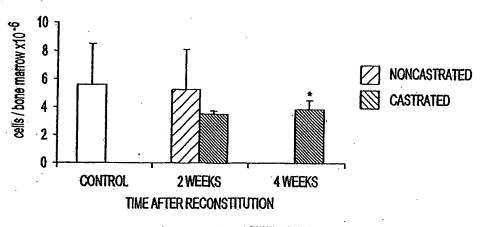


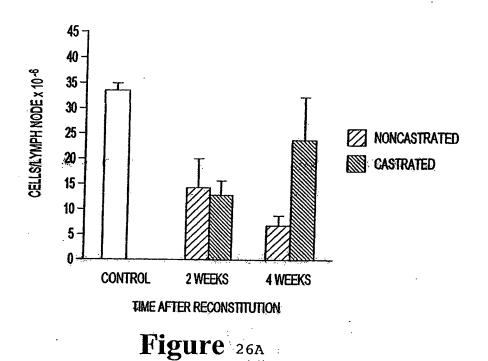
Figure 25B



FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

DOCKET NO.: NOR-013CP2/286336.152 29 OF 45



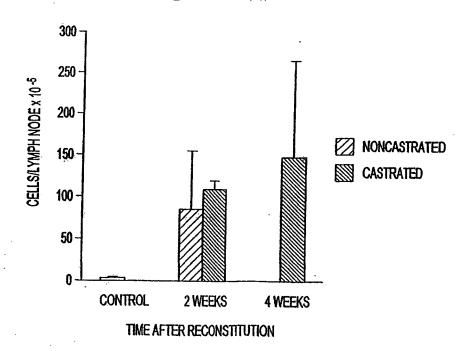
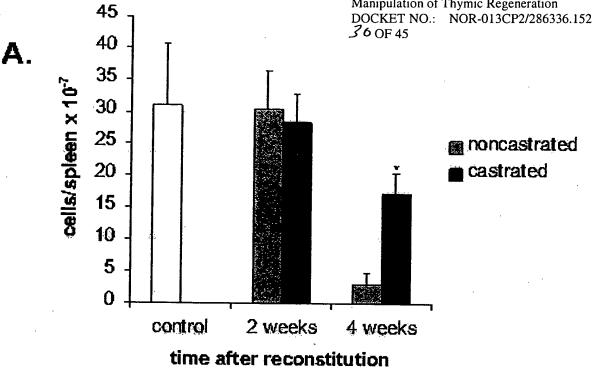


Figure 26B

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration



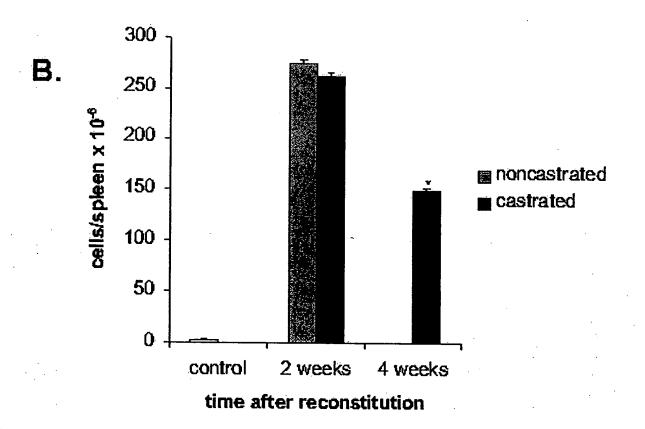
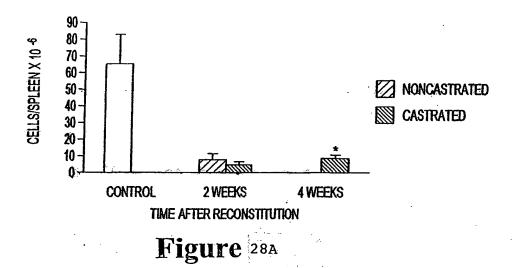


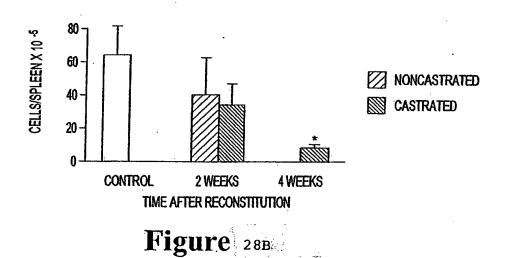
FIGURE 27.

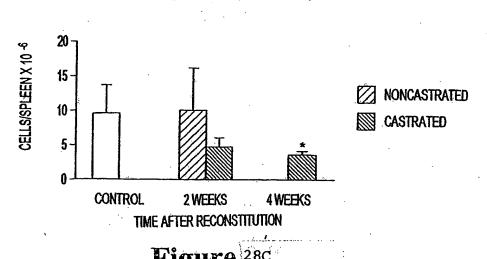
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TITLE: Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152







FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration

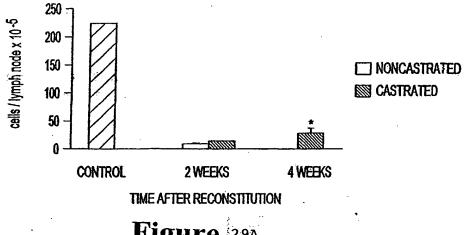


Figure 29A

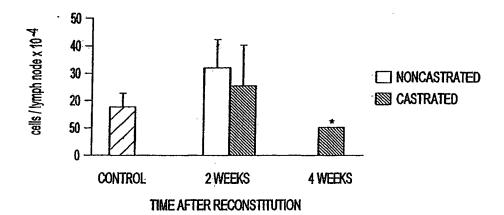
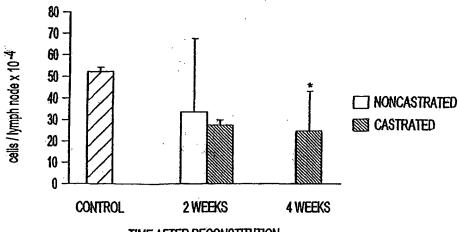


Figure 29B



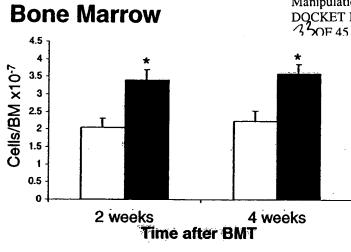
TIME AFTER RECONSTITUTION

APPLICANT: **Boyd** TBD APPLN. NO.:

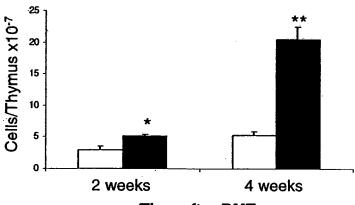
FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152



B. **Thymus**



Time after BMT

Spleen

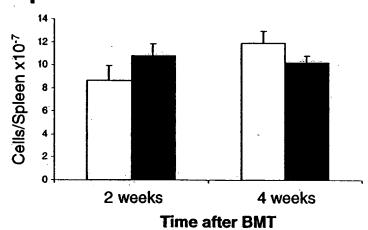


Figure 30

FILING DATE: December 30, 2003 TITLE:

Improvement of Graft Acceptance Through Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 31 OF 45

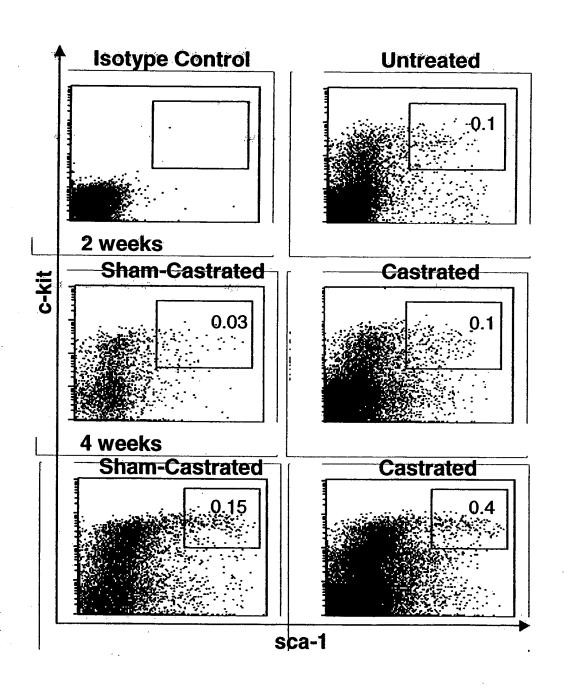


Figure 31

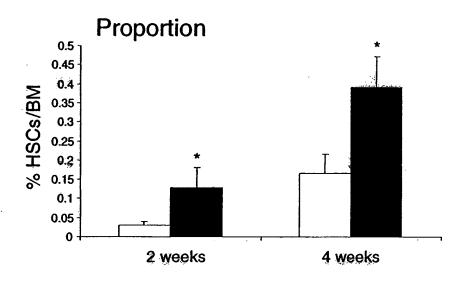
APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through TITLE:

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 3S OF 45





B.

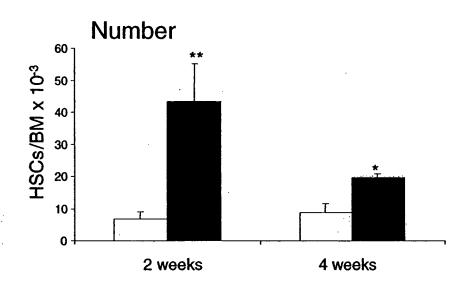


Figure 32

APPLICANT: Boyd TBD APPLN. NO.:

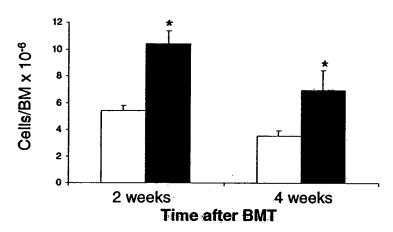
FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

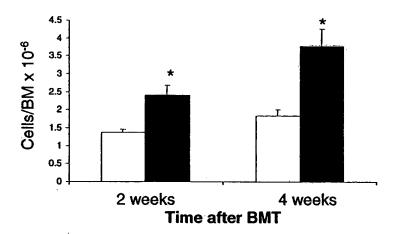
Manipulation of Thymic Regeneration

DOCKET NO.: NOR-013CP2/286336.152 OF 45

B Cell Precursors



B Cells



FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

.?7 OF 45

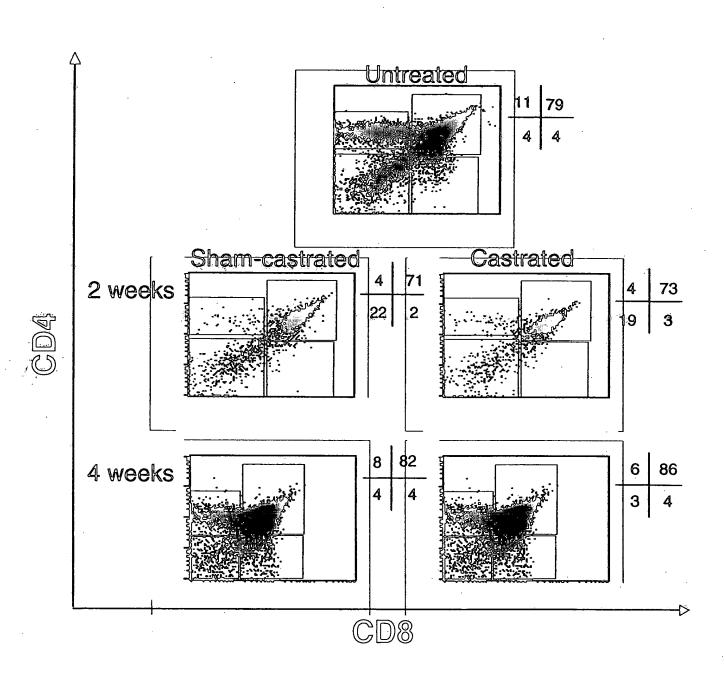


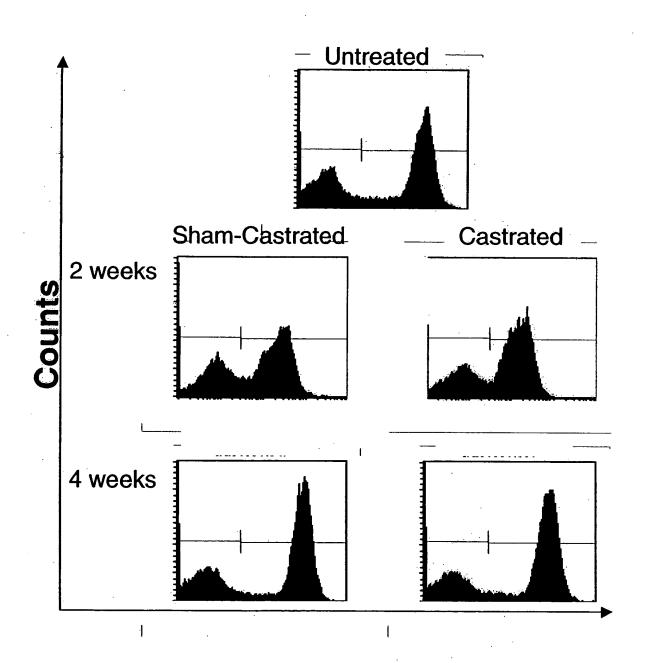
Figure 34

APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 38 OF 45



APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through
Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

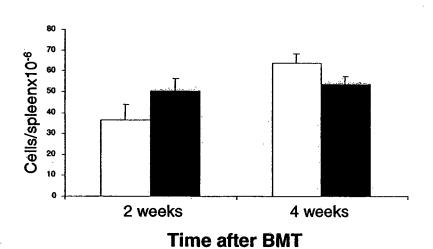


Figure 36

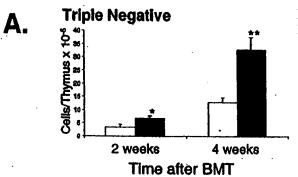
FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration

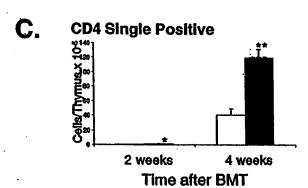
DOCKET NO.: NOR-013CP2/286336.152

40 OF 45



Double Positive

Time after BMT



CD8 Single Positive

**

**

2 weeks

4 weeks

Time after BMT

Figure 37

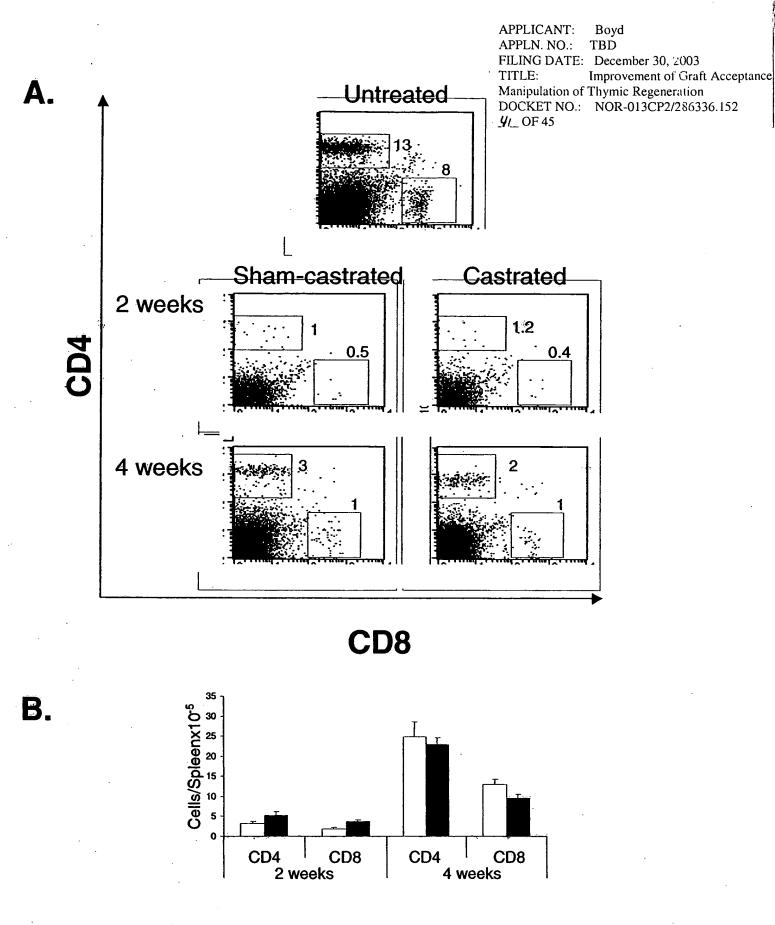


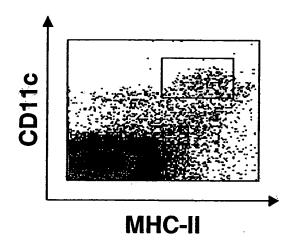
Figure 38

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152





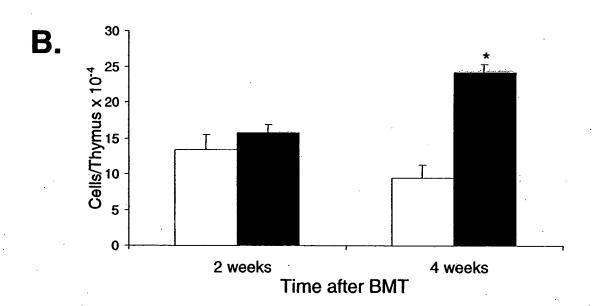


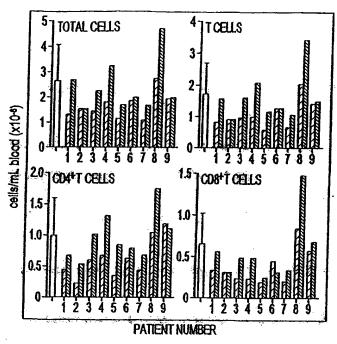
Figure 39

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

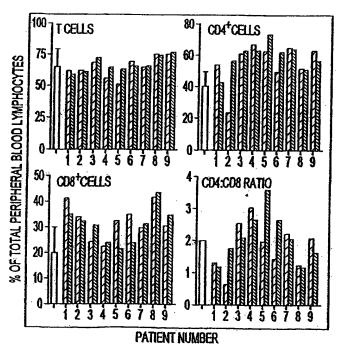
Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152

43 OF 45



☐ CONTROL Ø PRE-LHRH-A TREATMENT Ø 4 MONTHS OF LHRH-A TREATMENT

Figure 40

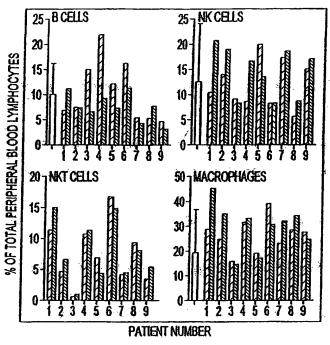


☐ CONTROL Ø PRE-LHRH-A TREATMENT Ø 4 MONTHS OF LHRH-A TREATMENT

FILING DATE: December 30, 2003

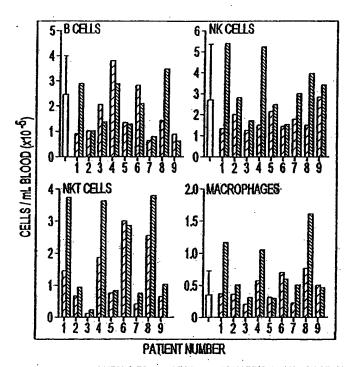
TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 <u>44</u> OF 45



☐ CONTROL ☐ PRE-LHRH-A TREATMENT 🖾 4 MONTHS OF LHRH-A TREATMENT

Figure 42



☐ CONTROL ☑ PRE-LHRH-A TREATMENT ☑ 4 MONTHS OF LHRH-A TREATMENT

Boyd TBD APPLICANT: APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Improvement of Graft Acceptance Through

Manipulation of Thymic Regeneration DOCKET NO.: NOR-013CP2/286336.152 Y OF 45

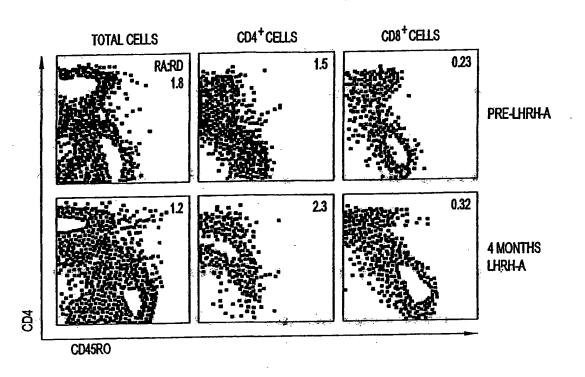
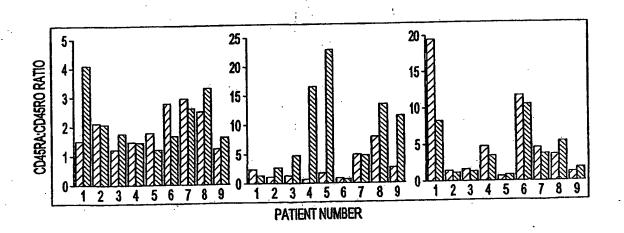


Figure 44A



PRE-TREATMENT

4 MONTHS OF TREATMENT

Figure 44B